

IFW

Auto-Reply Facsimile Transmission



TO: Fax Sender at 8064986673

Fax Information

Date Received:

Total Pages:

7/21/2005 5:34:50 AM [Eastern Daylight Time]

6 (including cover page)

ADVISORY: This is an automatically generated return receipt confirmation of the facsimile transmission received by the Office. Please check to make sure that the number of pages listed as received in Total Pages above matches what was intended to be sent. Applicants are advised to retain this receipt in the unlikely event that proof of this facsimile transmission is necessary. Applicants are also advised to use the certificate of facsimile transmission procedures set forth in 37 CFR 1.8(a) and (b), 37 CFR 1.6(f). Trademark Applicants, also see the Trademark Manual of Examining Procedure (TMEP) section 306 et seq.

Received
Cover
Page

=====>

21-07-'05 17:38 從 WINSTON HSU, NO. 41526 8064986673 T-585 P01/41 U-540



**North America
Intellectual Property Corporation**

P.O. BOX 506, Merrifield, VA 22116, U.S.A.

Voice Mail: 302-729-1562

FAX: 806-498-6673

e-mail: winstonhsu@naipo.com

Customer No.: 27765

Fax To: CALLAHAN, TIMOTHY P

Tel.: (571) 272-1740

Art Unit: 2816

Fax: (571) 273-8300

From : Winston Hsu, Registration No. 41,526

Serial No.: 10/710,175

Attorney Docket No.: REAP0025USA

Subject: Information Disclosure Statement (IDS)

Total Pages: 41 pages (including cover page)

Winston Hsu 2005/07/21

REAP0025USA0_D1_1

Auto-Reply Facsimile Transmission



TO:

Fax Sender at 8064986673

Fax Information

Date Received:

7/21/2005 5:45:27 AM [Eastern Daylight Time]

Total Pages:

4 (including cover page)

ADVISORY: This is an automatically generated return receipt confirmation of the facsimile transmission received by the Office. Please check to make sure that the number of pages listed as received in Total Pages above matches what was intended to be sent. Applicants are advised to retain this receipt in the unlikely event that proof of this facsimile transmission is necessary. Applicants are also advised to use the certificate of facsimile transmission procedures set forth in 37 CFR 1.8(a) and (b), 37 CFR 1.6(f). Trademark Applicants, also see the Trademark Manual of Examining Procedure (TMEP) section 306 et seq.

Received
Cover
Page

=====>

21-07-'05 17:49 從- WINSTON HSU, NO. 41526 8064986673

T-587 P07/41 U-540

than three months prior to the filing of the information disclosure statement.

According to the requirement set forth in 37 CFR §1.98(a)(2), the applicant is submitting a copy of the cited Taiwanese patent TW 556072 (published October 1, 2003). In accordance with MP2P 603 III A(3), an English-language equivalent application may be submitted to fulfill the requirement for a concise explanation of relevance. Accordingly, the English-language equivalent US patent 6,360,774 of the Taiwanese patent TW 556072 is hereby presented to fulfill the 37 CFR §1.98(a)(3) requirement.

It is respectfully requested that the examiner can consider the document(s) listed on the accompanying form PTO/SB/09 and that it be made of record in the application. The applicants sincerely hope that the examiner initials the cited reference(s) on the form and that a copy of the initialed form be sent to the applicants with the next communication from the examiner.

Respectfully submitted,

Winston Hsu

Date: July 21, 2005

Winston Hsu, Patent Agent No. 41,526

P.O. BOX 506, Merrifield, VA 22116, U.S.A.

Voice Mail: 302-729-1562

Facsimile: 806-498-6673

e-mail : winstonhsu@naipo.com

Note: Please leave a message in my voice mail if you need to talk to me. The time in D.C. is 12 hours behind the Taiwan time, i.e. 9 AM in D.C. = 9 PM in Taiwan.

Auto-Reply Facsimile Transmission



TO: Fax Sender at 8064986673

Fax Information

Date Received: 7/21/2005 6:00:19 AM [Eastern Daylight Time]

Total Pages: 2 (including cover page)

ADVISORY: This is an automatically generated return receipt confirmation of the facsimile transmission received by the Office. Please check to make sure that the number of pages listed as received in Total Pages above matches what was intended to be sent. Applicants are advised to retain this receipt in the unlikely event that proof of this facsimile transmission is necessary. Applicants are also advised to use the certificate of facsimile transmission procedures set forth in 37 CFR 1.8(a) and (b), 37 CFR 1.6(f). Trademark Applicants, also see the Trademark Manual of Examining Procedure (TMEP) section 306 et seq.

Received
Cover
Page

=====>

21-07-'05 18:04 從 WINSTON HSU, NO. 41526 8064986673 T-588 P11/41 U-540

- (4)
7. N 通道 MOS 電晶體，在上述內部節點和源極之間，將上述第2輸入信號之反相信號當作閘極輸入，而以定電流來驅動之；而上述內部節點和源極之間，被串列連接之開關元件和電容，以第1開關元件之控制信號，而在上述開關元件之閘極端子上所供給之週期控制信號上，來決定附加在上述內部節點之電容值。
- 12.如申請專利範圍第1、2或3項所述之時間控制電路，其中上述相位調整用補償器，包括：
選相電路，將第1、第2之輸入信號當輸入，而輸出上述第1、第2之輸入信號之原定的邏輯運算結果；
第1開關元件，被連接至第1電容和內部節點之間，而輸入上述選相電路之輸出信號至控制端；以及
選相電路，輸入信號至上述內部節點，而在上述內部節點之電位和源極值之大小關係反相的情況下，使其輸出邏輯值反相；而上述內部節點和第2電容之間，由以第1定電流源，和上述第1輸入信號來控制開關動作之第2開關元件，和以來自上述選相電路之控制信號來控制開關動作之第3開關元件而成的串列電路，被數個地並列連接；
在上述內部節點和第2電容之間，由上述第2定電流源，和上述第2輸入信號來控制開關動作之第4開關元件，和以來自上述選相電路之控制信號來控制開關動作之第5開關元件而成的串列電路，被數個地並列連接；
而上述內部節點和上述第2電容之間，由第6開關元件和電容而成的串列電路，被數個地互相地並列連接，而在上述第6開關元
8. 件之控制端子上之週期控制信號上，來控制開關動作，以決定附加在上述內部節點之電容值。
- 13.如申請專利範圍第12項所述之時間控制電路，其中上述第1開關元件，由第1電容之電晶體所成；而上述第2至第6開關元件，由第2電容之電晶體所成。
- 14.如申請專利範圍第12項所述之時間控制電路，由上述第2開關元件、上述第3開關元件、上述第4開關元件、以及上述第5開關元件中之任何之至少之既定個數(N個)而成；
藉由供給至上述第3開關元件之控制信號，來設定N(其中，N為0-N)個之上述第3開關元件；
藉由供給至上述第5開關元件之控制信號，來設定N-K個之上述第5開關元件；
而上述第1輸入信號和上述第2輸入信號之時間差T，以上述時間差之N分之1為單位，輸出對應至上述K當量之內分之二倍之信號，並藉由可以改變K之值，來改變內分比。
- 15.如申請專利範圍第1、2或3項所述之時間控制電路，其中上述相位調整用補償器，包括：
選相器(OR)電路，將第1、第2之輸入信號當作輸入；
P 通道 MOS 電晶體，被連接至電源和內部節點之間，而輸入上述選相器或電路之輸出信號至其閘極；以及
選相電路，輸入信號至上述內部節點，而在上述內部節點之電位和源極值之大小關係反相的情況下，使其輸出邏輯值反相；
而上述內部節點和源極之間，將上述第1輸入信號當作閘極輸入，而以

記憶傳送報表

時間 : 21-07-'05 18:16
電話號碼 : 8064986673
名稱 : WINSTON HSU, NO. 41526

檔案號碼 : 540
日期 : 21.07 17:37
至 : 800215712738300
原稿頁數 : 41
啓始時間 : 21.07 17:38
結束時間 : 21.07 18:16 (回復時間 : 21.07 19:16)
傳送頁數 : 12
狀態 : NG DO

傳送原稿



**North America
Intellectual Property Corporation**

P.O. BOX 506, Merrifield, VA 22116, U.S.A.

Voice Mail: 302-729-1562

FAX: 806-498-6673

e-mail: winstonhsu@naipo.com

Customer No.: 27765

Fax To: CALLAHAN, TIMOTHY P
Art Unit: 2816

Tel.: (571) 272-1740
Fax: (571) 273-8300

From : Winston Hsu, Registration No. 41,526

Serial No.: 10/710,175

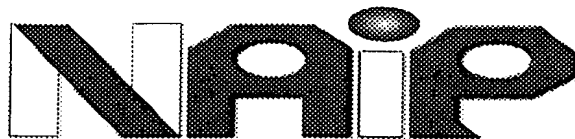
Attorney Docket No.: REAP0025USA

Subject: Information Disclosure Statement (IDS)

Total Pages: 41 pages (including cover page)

Winston Hsu 2005/07/21

REAP0025USA0_D1_1



**North America
Intellectual Property Corporation**

P.O. BOX 506, Merrifield, VA 22116, U.S.A.

Voice Mail: 302-729-1562

FAX: 806-498-6673

e-mail: winstonhsu@naipo.com

Customer No.: 27765

Fax To: CALLAHAN, TIMOTHY P

Tel.: (571) 272-1740

Art Unit: 2816

Fax: (571) 273-8300

From : Winston Hsu, Registration No. 41,526

Serial No.: 10/710,175

Attorney Docket No.: REAP0025USA

Subject: Information Disclosure Statement (IDS)

Total Pages: 41 pages (including cover page)

Winston Hsu 2005/07/21

REAP0025USA0_D1_I



PTO/SB/97 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Certificate of Transmission under 37 CFR 1.8

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office

on 07/21/2005
Date

Cindy Lin
Signature

Cindy Lin

Typed or printed name of person signing Certificate

Voice Mail: 302-729-1562

Registration Number, if applicable

Telephone Number

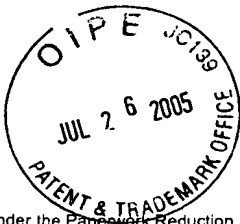
Note: Each paper must have its own certificate of transmission, or this certificate must identify each submitted paper.

Application No: 10/710,175

(1) Transmittal Form	1 PAGE
(2) Fee Transmittal	1 PAGE
(3) Information Disclosure Statement	37 PAGES

This collection of information is required by 37 CFR 1.8. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1.8 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PTO/SB/21 (09-04)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/710,175	
	Filing Date	06/23/2004	
	First Named Inventor	Han-Chang Kang	
	Art Unit	2816	
	Examiner Name	CALLAHAN, TIMOTHY P	
Total Number of Pages in This Submission	39	Attorney Docket Number	REAP0025USA

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	North America Intellectual Property Corporation		
Signature	<i>Winston Hsu</i>		
Printed name	Winston Hsu		
Date	07/21/2005	Reg. No.	41,526

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:			
Signature			
Typed or printed name		Date	

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PTO/SB/17 (12-04)

Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL
For FY 2005☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$) 0.00**Complete if Known**

Application Number	10/710,175
Filing Date	06/23/2004
First Named Inventor	Han-Chang Kang
Examiner Name	CALLAHAN, TIMOTHY P
Art Unit	2816
Attorney Docket No.	REAP0025USA

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____
☒ Deposit Account Deposit Account Number: **50-3105** Deposit Account Name: North America Intellectual Property Corp.

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee
☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180

Total Claims **Extra Claims** **Fee (\$)** **Fee Paid (\$)** **Multiple Dependent Claims**
_____ - 20 or HP = _____ x _____ = _____ **Fee (\$)** **Fee Paid (\$)**
HP = highest number of total claims paid for, if greater than 20
Indep. Claims **Extra Claims** **Fee (\$)** **Fee Paid (\$)**
_____ - 3 or HP = _____ x _____ = _____
HP = highest number of independent claims paid for, if greater than 3

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets **Extra Sheets** **Number of each additional 50 or fraction thereof** **Fee (\$)** **Fee Paid (\$)**
_____ - 100 = _____ / 50 = _____ (round up to a whole number) x _____ = _____

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other: submission of Information Disclosure Statement

Fees Paid (\$)

0.00

SUBMITTED BY

Signature	<i>Winston Hsu</i>	Registration No. (Attorney/Agent)	41,526	Telephone	302-729-1562
Name (Print/Type)	Winston Hsu	Date	07/21/2005		

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Han-Chang Kang, Chao-Cheng Lee.

Appl. No.: 10/710,175

Filing Date: 06/23/2004

Examiner: CALLAHAN, TIMOTHY P

Art Unit: 2816

Docket No.: REAP0025USA

Title: APPARATUS AND METHOD FOR GENERATING A PHASE DELAY

To: Commissioner for Patents
P.O. BOX 1450
Alexandria, VA 22313-1450

Subject: Information disclosure statement under 37
CFR §1.56

Dear Sir,

This is an Information Disclosure Statement in accordance with the duty to disclose information material to patentability under 37 CFR §1.56. The applicant wishes to make of record the document(s) listed on the accompanying form PTO/SB/08.

Since this IDS is filed before the mailing date of the first Office action, consideration of the information disclosure statement is hereby requested according to 37 CFR §1.97(b).

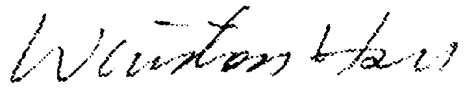
That each item of information contained in the information disclosure statement was first cited in an Office communication mailed on May 27, 2005 for the counterpart Taiwan patent application number 092130568, which are no more

than three months prior to the filing of the information disclosure statement.

According to the requirement set forth in 37 CFR §1.98(a)(2), the applicant is submitting a copy of the cited Taiwanese patent TW 556072 (published October 1, 2003). In accordance with MPEP 609 III A(3), an English-language equivalent application may be submitted to fulfill the requirement for a concise explanation of relevance. Accordingly, the English-language equivalent US patent 6,380,774 of the Taiwanese patent TW 556072 is hereby presented to fulfill the 37 CFR §1.98(a)(3) requirement.

It is respectfully requested that the examiner can consider the document(s) listed on the accompanying form PTO/SB/08 and that it be made of record in the application. The applicants sincerely hope that the examiner initials the cited reference(s) on the form and that a copy of the initialed form be sent to the applicants with the next communication from the examiner.

Respectfully submitted,



Date: July 21, 2005

Winston Hsu, Patent Agent No. 41,526

P.O. BOX 506, Merrifield, VA 22116, U.S.A.

Voice Mail: 302-729-1562

Facsimile: 806-498-6673

e-mail : winstonhsu@naipo.com

Note: Please leave a message in my voice mail if you need to talk to me. The time in D.C. is 12 hours behind the Taiwan time, i.e. 9 AM in D.C. = 9 PM in Taiwan.

**Complete if Known**

(Use as many sheets as necessary)

Sheet	1	of	1
-------	---	----	---

Application Number	10/710,175
Filing Date	06/23/2004
First Named Inventor	Han-Chang Kang
Art Unit	2816
Examiner Name	CALLAHAN, TIMOTHY P
Attorney Docket Number	REAP0025USA

[illegible][illegible]Date
Considered

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.